



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

as well as the Grenville series in eastern Ontario and Quebec, probably the equivalents in age of the western Huronian, show similar curving bands and eruptive contacts of the underlying Laurentian, as described by Adams, Barlow, and Ells; and the same is true, in part at least, of Labrador, as described by Lowe.

On the other hand, the Huronian regions in the United States south of Lake Superior, and also in New Brunswick, present a basal conglomerate resting unconformably on the Laurentian, according to Van Hise and Dawson. It may be that in the latter cases the thickness of sediments was not great enough to depress the Laurentian floor to the level of fusion or plasticity; or that the Huronian, as recognized in these regions, is really younger and overlies the upturned edges of the rocks described as Huronian in the northern Archæan. Some remarks in Van Hise's pre-Cambrian geology seem to suggest this.

It is likely that eruptive contacts of batholithic masses with overlying rocks exist under every great mountain chain; though the "Fundamental Complex" thus arising is disclosed only in the more ancient and therefore more deeply eroded mountain systems. Something like this has been shown to exist in British Columbia by Dawson, but of Jurassic age. Under the later mountain systems, however, the arching of anticlinal folds probably aided the uprising of the plastic base; and we may suppose that the core of granite and gneiss forms long belts rather than approximately round batholites.

The term Laurentian has been used in the paper to include granites and gneisses of later age than the Ontarian or Huronian rocks, following the custom of the Canadian geologists who have worked in western Ontario. As this use differs from Logan's original definition, it might be better to substitute another name, unless it shall appear that the relation described above is universal in North America, and that the supposed Huronian found to rest unconformably on the Laurentian is really of later age than the true Huronian.

RECENT PUBLICATIONS.

- ADAMS, FRANK D. Nodular Granite from Pine Lake, Ontario. Bulletin Geological Society of America, Vol. IX, pp. 163-172, Pl. 11, February 1898.
- ANDERSSON, FRITHIOF. Über die Quartäre Lagerserie des Ristinge Klint Auf Langeland eine Biologisch-Stratigraphische Studie. Upsala, 1897.

- BARRINGER, D. M. *A Description of Minerals of Commercial Value.* John Wiley & Sons, New York, N. Y., 1897.
- BERENDT, DR. G. *Der tiefere Untergrund Berlins.* Königlich Preuss. Geol. Landesanstalt Heft. 28, Berlin, 1897.
- BRIGGS, LYMAN J. *The Mechanics of Soil Moisture.* Bulletin No. 10. U. S. Department of Agriculture. Washington, 1897.
- BRIGHAM, ALBERT PERRY. *Physical Geography in Secondary Schools.* Proceedings of the National Educational Association, 1897.
- Bulletin of the Colorado Scientific Society, No. 10, 1897.
- Bulletin of the Geological Institution of the University of Upsala. Vol. III, Part I, No. 5, 1896. Upsala, 1897.
- Bulletin from the Laboratories of Natural History of the State University of Iowa. Vol. IV, No. 2, Iowa City, 1897.
- Bulletin of the Scientific Laboratories of Denison University. Vol. IX, Part II, (11 plates and 5 figures). Edited by W. G. Tight.
- CALLAWAY, C. *A Criticism on the Chemical Evidence for the Existence of Organisms in the Oldest Rocks.* Liverpool Geological Society, 1896-7. Liverpool, Eng.
- CORNET, J. *Observations sur les Terrains Anciens du Katanga.* Liège, 1897.
- CROSBY, W. O. *Sandstone Dikes Accompanying the Great Fault of Ute Pass, Colorado.* Bulletin of the Essex Institute, Vol. XXVII. Salem, Mass., 1897.
- DAVIS, W. M. *The Present Trend of Geography.* A paper delivered at the XXXV University Convocation, Senate Chamber, Albany, N. Y., June 1897.
- ELFTMAN, A. H. *Geology of the Keweenaw Area in Northeastern Minnesota.* American Geologist, Vol. XXI, Minneapolis, February 1898.
- FAIRCHILD, H. L. *Proceedings of the Ninth Summer Meeting, held at Detroit, Mich., August 10, 1897.* Geological Society of America, December 1897.
- FAIRCHILD, HERMAN L. *Glacial Geology of Western New York.* Geological Magazine, N. S. Decade IV, Vol. IV, pp. 529-537. December 1897. London, 1897.
- Field Columbian Museum. *Annual Report of the Directors for the year 1896-7, Vol. I, No. 3.* Chicago, 1897.—*List of Fishes and Reptiles obtained by Field Columbian Museum East African Expedition to Somali-Land in 1896:* S. E. Meek, Assistant Curator, Dept. of Geology.
- FRAZER, PERSIFOR. *Geological Section from Moscow to Siberia and Return.* Read before the Academy of Sciences of Philadelphia, October 26, 1897.
- Geographical Society of Philadelphia. *Charter, By-Laws, List of Members.* January 1898.
- Geological Society of London, *List of.* Burlington House, Piccadilly W. London, Eng., 1897.

- Geological Survey of Canada. Report on the Doobaunt, Kazan and Ferguson Rivers and on Two Overland Routes from Hudson Bay to Lake Winnipeg, by J. Burr Tyrrell. Ottawa, 1897.—Part F. Annual Report, Vol. IX, 1896, Ottawa, 1897.—Section of Mineral Statistics and Mines, Annual Report for 1896, by Elfric Drew Ingall, Part S., Vol. IX.—Palæozoic Fossils, Vol. III, Part III, by J. F. Whiteaves, Palæontologist and Zoölogist to Survey, Ottawa, 1897.
- Geological Survey of Georgia.
 Bulletin No. 3 A. A Preliminary Report on a Part of the Water-powers of Georgia. Compiled from the Notes of C. C. Anderson, late Assistant Geologist, and from other sources. By B. M. Hall, Special Assistant, Atlanta, 1896.
 Bulletin No. 5 A. A Preliminary Report on a Part of the Phosphates and Marls of Georgia. By S. W. McCallie, Assistant Geologist, Atlanta, 1896.
 Administrative Report of the State Geologist for the year ending October 15, 1897. W. S. Yates, State Geologist.
- Geological Survey of New South Wales, Records. Vol. V, Part III. Department of Mines and Agriculture, Sidney, Australia, 1897.
- GRESLEY, W. S. Clay-veins vertically intersecting Coal Measures. Bulletin Geological Society of America, Vol. IX, pp. 35-58. January 1898.
- HALL, JAMES and DARTON, N. H. A Preliminary Description of the Faulted Region of Herkimer, Fulton, Montgomery, and Saratoga Counties. Geological Survey of New York (Geologic map).
- Harvard University. Annual Report of the Division of Geology for the year 1896-7.
- HOLMQUIST, JOHAN. Synthetische Studien Über Die Peromskit- Und Pyrochlormineralien. Upsala, 1897.
- INGALL, ELFRIC D. Summary of the Mineral Production of Canada for 1897. Geological Survey of Canada, Ottawa, 1897.
- JAGGAR, T. A., Jr. A Microsclerometer for Determining the Hardness of Minerals. Am. Jour. Sci., Vol. IV, December 1897.
- Journal of National Science Club. Washington, D. C., January 1898.
- KEILHACK, K. Das Profil der Eisenbahn Schivelbein-Polzin. Jahrbuch der königl. Preuss. geologischen Landesanstalt für 1896. Berlin. 1897—Die Drumlinlandschaft in Norddeutschland. *Ibid.*
- LIMA, J. M. DO REGO. Quelques Mots sur les Diaclases et les Lep-toceses et L'Altération des Roches. University Coimbra, 1897.
- LYMAN, BENJAMIN SMITH. Compass Variation Affected by Geological Structure in Bucks and Montgomery Counties, Pennsylvania. Journal of the Franklin Institute, October 1897.
- MALLET, F. R. On Blödite from the Punyab Salt Range. Mineralogical Magazine, Vol. XI, No. 53, London, Eng.—On Nematite from Afghanistan. *Ibid.*, No. 52.
- MERRILL, FREDERICK J. H., Ph.D. Road Materials and Road Building in New York. Bulletin of the New York State Museum, Vol. IV, No. 17, October 1897.

- MIERS, H. A. Danalite from Cornwall. Reprinted from the Mineralogical Magazine, Vol. X, No. 45.
Xanthoconite and Rittingerite, with Remarks on the Red Silvers. *Ibid.*, Vol. X, No. 47.
Spangolite. *Ibid.*, Vol. X, No. 48.
On Some British Pseudomorphs. *Ibid.*, Vol. XI, No. 53.
- ORTON, EDWARD. Geological Probabilities as to Petroleum. Annual Address by the President. Bulletin Geological Society of America, Vol. IX, pp. 85-100, January 1898.
- PALACHE, CHARLES. The Geological Congress in Russia. American Naturalist, November 1897.
- PENCK, DR. ALBRECHT A. Gletscherstudien im Sonnblickgebiete. Separatabdruck aus der Zeitschrift des Deutschen und Österreichischen Alpenvereins. Jahrgang 1897, Band XXVIII.—Geomorphologische Probleme aus Nordwest-Schottland. Zeitschr. d. Gesellsch. i. Erdk. zu Berlin, Bd. XXXII, 1897.—Oberlercher's Glocknerrelief. Wien 1896.
- PLATHAN, ARTHUR. Über eine Isomorphe Reihe Von Formiaten des Calcium Strontium, Baryum und Blei. Knopio 1897
- Proceedings California Academy of Sciences, Vol. IV, Part I.
- PROSSER, CHARLES. The Permian and Upper Carboniferous of Southern Kansas. Kansas University Quarterly, Vol. VI, No. 4, 1897.
- RICHTER, DR. EDUARD. Seestudien. Erläuterungen zur zweiten Lieferung des Atlas der österreichischen Alpenseen. Wien, 1897.
- SARDESON, F. W. On Streptelasma Profundum (Owen) S. Corniculum Hall. (Plates XVI and XVII). American Geologist, Vol. XX, November 1897.—On Glacial Deposits in the Driftless Area. *Ibid.* December 1877.
- SMYTH, C. H., JR. A Group of Diabase Dikes among the Thousand Islands, St. Lawrence River. Trans. New York Acad. of Sciences, Vol. XIII.—Metamorphism of a Gabbo occurring in St. Lawrence County, New York. Am. Jour. Sci., Vol. I, April 1896.—Pseudomorphs from Northern New York. *Ibid.*, Vol. IV, September 1897.—The Genetic Relations of Certain Minerals of Northern New York. Trans. New York Acad. Sci., Vol. XV, 1896, pp. 260-270.—The Genesis of Talc Deposits of St. Lawrence County, New York. School of Mines Quarterly, No. 4, Vol. XVII.
- SPENCER, ARTHUR COE. The Geology of Massanutten Mountain in Virginia. Thesis presented to the Board of University Studies at Johns Hopkins University for the degree of Doctor of Philosophy, May 1896.
- SPENCER, J. W. Great Changes of Level in Mexico and the Inter-oceanic Connections. Bulletin Geological Society of America, Vol. IX, pp. 13-34, Pls. 1-5.
- STEIN, ROBERT. Proposed System of Continuous Polar Exploration Reprinted from Appleton's Popular Science Monthly for July 1896.
- STEINMANN, G. VON. Geologische Beobachtungen in den Alpen. Berichte der Naturforschenden Gesellschaft zu Freiburg i B. Band X, Heft. 2.

- STONEY, G. JOHNSTONE. Of Atmospheres upon Planets and Satellites. Scientific Transactions of the Royal Dublin Society, Vol. V (Series II). Royal Dublin Society. Dublin, Ireland, 1897.
- TARR, RALPH S. Suggestions for Laboratory and Field Work in High School Geology and Questions for Use with Tarr's Elementary Geology. Macmillan & Company, New York, 1897.
- TAYLOR, FRANK B. Origin of the Gorge of the Whirlpool Rapids at Niagara. Bulletin of the Geological Society of America, Vol IX, pp. 59-84, January 1898.
- UDDEN, J. A. Loess as a Land Deposit. Bulletin Geological Society of America, Vol. IX, 1897.—A Brief Description of the Section of Devonian Rocks Exposed in the Vicinity of Rock Island, Illinois, with a Statement of the Nature of its Fish Remains. Article X, Journal of Cincinnati Society of Natural History, Vol. XIX, November 1897.
- UPHAM, WARREN. Niagara Gorge and St. David's Channel. Bulletin Geological Society of America, Vol. IX, pp. 101-110, January 1898.
- WESTMAN, J. Bidrag till Kännedom om Jarnglansens Magnetism. Upsala, 1897.
- WHITE, I. C. The Pittsburg Coal Bed. Vice Presidential Address, Section of Geology and Geography, Am. Assn. for Adv. of Sci., Detroit Meeting, August 1897.
- WHITEAVES, J. F. Postscript to a "Description of a New Genus and Species of Cystideans from the Trenton Limestone at Ottawa." Reprinted from the Canadian Record of Science, July 1897.
- WHITNEY, MILTON. Tobacco Soils of the United States. A Preliminary Report upon the Soils of the Principal Tobacco Districts. U. S. Department of Agriculture, Bulletin No. 11.
- WILLIS, BAILEY. Drift Phenomena of Puget Sound. Bulletin Geological Society of America, Vol. IX, pp. 111-162, Pls. 6-10.
- WILLISTON, S. W. Range and Distribution of the Mosasaurs with Remarks on Synonymy. (Plate XX.) Kansas University Quarterly, Vol. VI, No. 4, 1897.
- WILLMOTT, ARTHUR B. The Mineral Wealth of Canada. A Guide for Students of Economic Geology. Wm. Briggs, Toronto, 1897.
- WRIGHT, PROFESSOR ALBERT A. Address Upon a Topographic Survey of Ohio.